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(71) Applicant (for all designated States except US): UMI-
CORE [BE/BE]; Rue du Marais 31, B-1000 Brussels (BE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VAN CAMP,
Maurits [BE/BE]; Pangatelaan 40, B-2640 Mortsel
(BE). AERTS, Jonathan [BE/BE]; Duifhuisstraat 32,
B-2300 Turnhout (BE). JANSSENS, Benedict [BE/BE];
Galgeveld 18, B-2200 Herentals (BE).

(74) Common Representative: KNOCKAERT, Guy et al.;
Umicore, Kasteelstraat 7, B-2250 Olen (BE).

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(54) Title: RECOVERY OF NON-FERROUS METALS FROM ZINC RESIDUES

(57) Abstract: The invention relates to a process for the separation and recovery of non-ferrous metals from zinc-bearing residues, in particular from residues produced by the zinc manufacturing industry. The process allows for the valorisation of metal values in a Zn-, Fe- and Pb-bearing residue, and comprises the steps of: -subjecting the residue to a direct reduction step, thereby producing a metallic Fe-bearing phase and Zn- and Pb-bearing first fumes; - extracting the Zn- and Pb-bearing first fumes and valorising Zn and Pb; - subjecting the metallic Fe-bearing phase to an oxidising smelting step, thereby producing an Fe-bearing slag and second metals-bearing fumes; - extracting the second metals-bearing fumes and valorising at least part of their metallic content. The main advantage of this process is that an environmentally acceptable output for Fe is obtained.

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